

Title (en)
SULFUR COMPONENT DETECTION APPARATUS

Title (de)
SCHWEFELKOMPONENTENNACHWEISVORRICHTUNG

Title (fr)
APPAREIL DE DÉTECTION DE COMPOSANTS SOUFRÉS

Publication
EP 2505997 A4 20130619 (EN)

Application
EP 09851688 A 20091126

Priority
JP 2009070278 W 20091126

Abstract (en)
[origin: EP2505997A1] The present detector for detecting sulfur components (4) comprises a storage portion (10) for storing SO_x and NO_x in the exhaust gas passing through an exhaust passage, in which the more an amount of stored SO_x increases, the more an amount of stored NO_x decreases, and which does not release SO_x but release NO_x at a set temperature, and a temperature sensor (20), estimates the amount of stored SO_x on the basis of a relationship between, after the storage portion becomes the set temperature by heating, a heating pattern of the storage portion and temperature change of the storage portion measured by the temperature sensor, and detects an integrated amount of SO_x passing through the exhaust passage during a given period or an value on the basis of the integrated amount.

IPC 8 full level
G01N 25/18 (2006.01)

CPC (source: EP US)
G01N 25/4873 (2013.01 - EP US); **G01N 33/0042** (2013.01 - EP US); **Y02A 50/20** (2017.12 - EP US)

Citation (search report)

- [X] EP 2058647 A1 20090513 - TOYOTA MOTOR CO LTD [JP]
- [A] WO 2008143022 A1 20081127 - TOYOTA MOTOR CO LTD [JP], et al
- [A] EP 1036926 A2 20000920 - NISSAN MOTOR [JP]
- [A] WO 2008134066 A1 20081106 - WEST DAVID L [US], et al
- See references of WO 2011064900A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
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